



BOROUGH OF LEIGH.

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Annual Report

OF THE

Medical Officer of Health

FOR THE

Year ended December 31st, 1921.

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BOROUGH OF LEIGH, 1921.

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## HEALTH COMMITTEE.

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HIS WORSHIP THE MAYOR  
(GEORGE HOLDEN, Esq., J.P.)

Chairman :

Alderman HENRY ISHERWOOD, J.P.

Deputy Chairman :

Councillor JAMES L. PRESCOTT.

Alderman GRUNDY, J.P.	Councillor FAIRHURST
Councillor J. ASHWORTH, J.P.	, GREENOUGH
, BETTON	, GREGORY
, BOOTH	, W. HINDLEY
, CLOSE	, T. HINDLEY
Councillor REEVES	

## Staff of Public Health Department.

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Medical Officer of Health :

J. CLAY BECKITT, M.R.C.S. England, L.R.C.P. London, D.P.H.

Chief Sanitary Inspector :

EDWIN JACKSON, A.R.S.I.

Sanitary Inspectors :

WILLIAM T. FROST, Cert. R. San. I.

GEORGE YATES, Cert. R. San. I.

Clerk :

Miss D. PASS.

Health Visitors :

Miss A. B. BELYEA.

Miss M. JONES.

## MEDICAL OFFICER OF HEALTH'S REPORT FOR 1921.

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*To the Chairman and Members of the Health Committee  
of the Borough of Leigh.*

Gentlemen,

I have the honour to present my report on the Health and Sanitation of your Borough for the year ending 31st December, 1921.

The shortage of houses is still causing extreme overcrowding, with its accompanying interference with health and comfort. The inconvenience experienced is causing a feeling of dissatisfaction and unrest very prejudicial to the well-being of those concerned.

These circumstances greatly hamper the efficiency of the work of the department, as little can be done to remove serious sanitary defects till more houses are available to receive the occupants.

I would again urge the necessity of completing the conversion of privies into fresh water closets, and the substitution of covered ash-bins for ash-pits.

I regret to have to report a diminution in the number of births. The figure is, however, still well above that of the average of the last ten years. There were registered during the year 1921, as compared with 1221 in 1920 and 984 in 1919.

The number of deaths also compares unfavourably with the previous year, being 664, as against 655 in 1920.

One hundred and thirty-one infants died under one year, making a rate per 1,000 births of 119·5.

According to Circular 269 of the Ministry of Health, issued 28th December, 1921, the Annual Reports will in future be more or less curtailed, except about every fifth year. These Reports will be known as Ordinary Reports, and contain, as a minimum requirement, certain particulars specified.

The more extensive and detailed Report, known as the Survey Report, it is intended shall amplify the particulars of the district and describe conditions which are not subject to frequent changes. This Report will be the first of a series of Ordinary Reports, and consequently a modification of those of previous years.

#### 1.—GENERAL STATISTICS.

Area acres (Census 1921) ... ... ... ...	6,359
Population (Census 1921) ... ... ... ...	45,545
Population (Registrar-General's Estimate) ...	46,550
Density of Population per acre ... ... ...	7·37
Number of Inhabited Houses (1921) ... ...	9,335
Number of New Houses Certified in 1921 ...	66
Total at end of 1921 ... ... ... ...	9,401
Number of Families or Separate Occupiers (1921), Unknown	
Number of Persons per House ... ... ...	4·95
Rateable Value ... ... ... ...	£215,733
Sum Represented by a Penny Rate ... ...	£814
Poor Rate ... ... ... ...	8/-
General District Rate ... ... ... ...	6/4

#### 2.—EXTRACTS FROM VITAL STATISTICS OF THE YEAR 1921.

	Total.	Male.	Female.
Births { Legitimate ... 1053 ... 534 ... 519			
Illegitimate ... 43 ... 17 ... 26			
Deaths ... ... ... 664 ... 345 ... 319			
Number of women dying in, or in consequence of, child-birth ...	{ from sepsis, 2 from other causes, 4		

Deaths of Infants under one year of age :—

Total, 131. Legitimate, 125; Illegitimate, 6

Deaths from Measles (all ages), Nil.

„ Whooping Cough (all ages), 15.

„ Diarrhoea (under 2 years of age), 19.

Specify any unusual or excessive mortality during the year which has received or required comment :—

Whooping Cough, with a death-rate per 1000 of population	...	0·32
Cancer,	„ „ „	1·07
Pneumonia	„ „ „	1·87
	Birth-rate.	Death-rate.
1921 ... ... ...	23·5	14·2
1920 ... ... ...	26·4	14·1
Mean of 10 years		
1911-1920 ...	24·5	16·3
Increase or Decrease in 1921 on—		
Previous Year ...	- 2·9	+ 0·1
Ten Years' Average..	- 1·0	- 2·1
	Phthisis Death-rate.	Rate of deaths under 1 year to 1000 Births.
1921 ... ... ...	1·13	119
1920 ... ... ...	1·18	106
1911-1920 ...	1·22	140

### SUMMARY OF THE PRINCIPAL CAUSES OF DEATH, 1921.

GENERAL DISEASES, estimated on the figures given by the Registrar General.

	No. of deaths.	Per cent. of total deaths.	Death-rate per 1000 of population.
1. Epidemic Diarrhoea	... 19	2·86	0·40
Whooping Cough	... 15	2·25	0·32
Specific Fevers	... 4	0·60	0·08
Influenza	... 7	1·05	0·15

### 2. CONSTITUTIONAL DISEASES.

a Pulmonary Tuberculosis	... 53	7·87	1·13
b Other Tubercular Diseases	... 7	1·05	0·15
c Cancer	... 50	7·53	1·07

## 3. DEVELOPMENTAL DISEASE.

a Congenital Debility	...	42	6.32	0.90
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## LOCAL DISEASES.

1 Heart and Circulatory System	...	61	9.18	1.31
2 Respiratory System—				
a Bronchitis	..	78	11.74	1.67
b Pneumonia	...	87	13.10	1.87
3 Urinary System	...	18	2.71	0.38
4 Reproductive System—				
Parturition	...	4	0.60	0.08
Puerperal Fever	...	2	0.30	0.08
5 Other diseases				
not specified in schedule	...	112	16.86	2.40

## VIOLENT CAUSES.

1 Accidents	...	24	3.61	0.51
2 Suicides	...	4	0.60	0.08

## Birth-rate, Death-rate, and Analysis of Mortality during the Year 1921.

	Birthrate per 1,000 Total Popula- tion.	All Causes.	Annual Death-rate per 1,000 Population.					Rate per 1,000 Births.		
			Enteric Fever.	Small-pox.	Measles.	Scarlet Fever.	Whooping Cough.	Diph- theria.	Diarrhoea and Enteritis (under 2 Years)	Total Deaths under 1 Year
<b>Leigh</b>	<b>23.5</b>	<b>14.2</b>	<b>0.02</b>	<b>0.00</b>	<b>0.00</b>	<b>0.04</b>	<b>0.32</b>	<b>0.02</b>	<b>0.60</b>	<b>17.33</b>
England and Wales	22.4	12.1	0.02	0.00	0.06	0.03	0.12	0.12	0.44	15.5
96 Great Towns, including London (Census Populations exceeding 50,000) ...	23.3	12.3	0.01	0.00	0.08	0.04	0.13	0.15	0.40	19.3
148 Smaller Towns (Census Popula- tions 20,000—50,000) ...	22.7	11.3	0.01	0.00	0.05	0.03	0.11	0.11	0.35	15.6
London	22.3	12.4	0.01	...	0.05	0.06	0.12	0.25	0.42	21.3
										80

### 3.—NOTIFIABLE DISEASES DURING THE YEAR.

The following diseases were compulsorily notifiable in the district :—

- Smallpox
- Cholera
- Membranous Croup
- Erysipelas
- Scarlet Fever
- Typhus Fever
- Typhoid Fever
- Enteric Fever
- Continued Fever
- Relapsing Fever
- Puerperal Fever
- Cerebro-Spinal Fever
- Acute Poliomyelitis.
- Encephalitis Lethargica
- Ophthalmia Neonatorum
- Tuberculosis
- Malaria
- Dysentery
- Trench Fever
- Acute Primary Pneumonia
- Acute Influenzal Pneumonia

Number of Cases of Infectious Disease notified, Number of Deaths from these Diseases, Number of Cases removed to Hospital, and Deaths in Hospital during the year 1921 :—

## TUBERCULOSIS.

There were 81 newly ascertained cases of all forms of Tuberculosis notified during the year, with 60 deaths, giving a death-rate of 1·28 per 1000, of which 1·13 was due to Pulmonary Tuberculosis. Dispensary and Sanatorium treatment is carried out by the County Council; also institutional treatment of surgical Tuberculosis. The Chief Dispensary of one of the County Areas is situated in the Borough. Twelve deaths due to Tuberculosis occurred in cases which had not been previously notified as suffering from the disease.

PRIMARY NOTIFICATIONS OF TUBERCULOSIS.

	All Ages	Under 1 year	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	Over 65	Deaths	
	M	F	M	F	M	F	M	F	M	F	M	F	M		
Pulmonary	26	32	...	...	1	...	1	3	1	2	1	8	8	6	30
Non-Pulmonary	11	12	...	...	...	...	1	5	4	3	3	...	2	3	1
Totals	37	44	...	...	...	...	1	1	8	7	4	5	1	8	31

## OPHTHALMIA NEONATORUM.

Number Notified.	CASES.		Vision Un- impaired.	Vision Impaired.	Total Blindness.	Deaths.				
	Treated.									
	At Home.	In Hospital.								
31	25	6	31	Nil	Nil	Nil				

## 4.—CAUSES OF SICKNESS.

From information received by circularising the general practitioners, consulting death returns, and cause of absence from School of elementary school children, I gather Whooping Cough and Influenza have been the cause of an unusual amount of sickness in the district.

## 5.—NURSING ARRANGEMENTS AND HOSPITALS.

## PROFESSIONAL NURSING IN THE HOME.

(a) **General.**—A local District Nursing Association, supported entirely by voluntary contributions, carries on a very useful work. Two fully-trained Nurses are engaged and render very highly appreciated service in the homes. They are not allowed to visit infectious cases. There is no definite scheme of co-operation between the Association and the Health Department of the local authority, but constant reference from one to the other is carried out by the staffs. The Corporation does not subscribe to the funds of the Nursing Association. Occasionally a local private trained nurse is available for engagement, but such services are usually supplied through private nurses' homes in one of the neighbouring towns.

(b) **Infectious Diseases.**—The Health Visitors meet the demand as far as possible in the case of children suffering from Measles, Diarrhoea, Ophthalmia Neonatorum, &c. A local voluntary organisation—Women's Guild of Service—supplies, free of charge to the patients, a non-practising midwife to attend cases suffering from Puerperal Fever. The

midwife engaged with the case is then able to continue her ordinary practice after disinfection, but is expected to contribute some portion of her fee to the funds of the Guild. The arrangement has worked admirably, and is thoroughly appreciated by midwives and medical practitioners. The Local Authority has no interest in the scheme, and has not contributed to the funds of the Guild.

### MIDWIVES.

No midwives supplied or subsidised by the Public Health Authority. There are 14 midwives practising in the district. The service is sufficiently supplied, but the work is very unevenly distributed, a few midwives having nearly all the practice.

### CLINICS AND TREATMENT CENTRES.

(a) **Maternity and Child Welfare Centre.**--There is one centre, situated at Stone House, St. Helens Road, and is provided by the Local Authority. Meetings are held weekly on Monday afternoons for weighing, consultations and distribution of food. Ante-natal consultations are carried out at Stone House at the same time. No medical treatment is carried out ; cases requiring it are referred to their own doctor. The following are a few of the details of the work for 1921 :—

396 babies entered.

1922 attendances by infants.

7 deaths of babies on the books.

1101 pints of fresh milk were given.

1893 lb. packets of dried milk were given.

5583 lb. packets of dried milk were sold.

22 4 oz. pots of virol were given.

1308 4 oz. pots of virol were sold.

22 maternity bags were lent.

In addition, the following were supplied through the Centre during the time of the coal dispute to mothers of children not belonging to the Centre :—

4,853 lb. packets of dried milk.

40,026 pints of fresh milk.

The Health Visitors made during the year 5048 visits to houses of mothers and infants.

(b) **Day Nurseries.**—There are none in the district.

(c) **School Clinics.**

Clinic.	Sessions per Week.	Accommodation.
(1) Inspection	... One	2 Waiting Rooms and 1 Consulting Room
(2) Minor Ailment Treatment	... Six	.. Waiting Room, Dressing Room
(3) Ophthalmic	... One as required	Waiting Room, Ophthalmic Room
(4) Aural	... One	Waiting Room, Consulting Room
(5) Dental	... Four	Waiting Room, Surgery, Recovery Room

All the Clinics are held at Stone House, St. Helens Road, and are provided by the Leigh Education Committee.

(d) **Tuberculosis.**—This service is under the control of the Lancashire County Council. The central dispensary of one of the areas is situated in the town. The following particulars indicate the work carried out by the County scheme in the district :—

		Non- Pulmonary.	Pulmonary.	Total.
No. of new cases during 1921	...	... 75	... 29	... 104
No. of cases under supervision on the 31st December, 1921	...	... 237	... 195	... 432
No. of cases granted—				
1. Sanatorium Treatment	...	... —	... —	... 18
2. Pulmonary Hospital Treatment	...	—	... —	... 50
3. General Hospital Treatment	...	—	—	... 24
4. Skin Hospital Treatment	...	—	—	... 10
5. Dispensary Treatment or Supervision	324	... 256	... 580	
6. Sanatorium School	...	4	3	7

(e) **Venereal Diseases.**—The scheme for treatment is administered by the County Council.

There is no centre for treatment in the town, but a choice can be made from Bolton, Wigan, Manchester, Salford and Warrington, all very accessible, and fares are paid in necessitous cases.

The Health Department acts as an information bureau to patients and medical practitioners.

The County Council supply outfits for the collection of specimens and examinations free of charge. Salvarsan substitutes are also supplied free to approved medical practitioners. The service provided is decidedly adequate, but patients fail to embrace the full benefit by stopping treatment prematurely. Some compulsory means to ensure full course is necessary before the expenditure entailed can be considered remunerative.

#### HOSPITALS PROVIDED OR SUBSIDISED BY THE LOCAL AUTHORITY OR COUNTY COUNCIL.

**1. Tuberculosis.**—Institutional accommodation is provided entirely by the Lancashire County Council. There is no County residential institution in the Borough.

**2. Maternity.**—There is no provision in the district for normal or abnormal cases of maternity. Cases are obliged to go to St. Mary's Hospital Manchester, the Leigh Union Hospital (situated outside the Borough), or the Bolton Nursing Home. Provision is greatly needed ; the overcrowded condition of many houses, with the lack of accommodation, leads to situations of positive indecency. The risk of infection is also enormously increased.

**3. Children.**—No provision has been made for hospital treatment of children. The Local Authority subscribes £26 5s. od. per annum to the Manchester Children's Hospital. Most cases requiring hospital treatment find their way to this institution, and a few to the Leigh Infirmary.

**4. Fever.**—The Infectious Disease Hospital for the Borough of Leigh is under the control of the Leigh Joint Hospital Board, and is for the districts of Leigh Borough, Atherton, Tyldesley and Golborne Urban Districts, and Leigh Rural District. It is situated at Astley,

outside the Borough. There are 128 beds for Scarlet Fever, Diphtheria, Enteric Fever, Measles, Puerperal Fever, &c.

**5. Smallpox.**—Provision is made through the Leigh Joint Hospital Board, which has a hospital containing 32 beds for a population of approximately 100,000, situated at Astley, near the isolation hospital for other infectious diseases. There was no case reported during the year.

#### 6. Others.—Nil.

### INSTITUTIONAL PROVISION FOR UNMARRIED MOTHERS, ILLEGITIMATE INFANTS AND HOMELESS CHILDREN.

None is provided.

### AMBULANCE FACILITIES.

(a) For infectious cases.—A motor ambulance for removal of infectious cases to the Sanatorium at Astley is provided by the Joint Hospital Board, and is housed at the Sanatorium.

(b) For non-infectious cases.—Two motor ambulances are provided by the Local Authority and housed at the Fire Station. Accident cases are removed free. A moderate charge is made to others ; this is modified or excused in necessitous cases.

### 6.—LABORATORY WORK.

Arrangements exist with the Public Health Laboratory, Manchester, for the bacteriological examination of swabs and sputum, the carrying out of Widal test, and examination of cerebro-spinal fluid. Telegraphic communication is made to the medical practitioner in cases of positive results, and a report by post is sent in every case to this department.

The following table shows the number submitted during the year, with the results :—

Specimen.	Positive.	Negative.	Total.
Swab	5	27	32
Sputum	2	6	8

Diphtheria anti-toxins and swabs are supplied by the Local Authority, and special arrangements are made to facilitate the distribution to medical practitioners so that they may always have in their possession one swab and a preliminary dose of serum for immediate use. They are encouraged to administer an early application even to very doubtful cases of the disease. Forty-four doses were supplied during the year.

#### INFLUENZA SERUM.

Influenza vaccine was stocked for the free use of local medical practitioners. They were circularised of the fact, but only two availed themselves of the offer. They were not satisfied that any material benefit was obtained by its use.

#### PRIVATE AND ADOPTIVE ACTS IN FORCE IN THE DISTRICT.

Name of Act	Date of Adoption.
Leigh Corporation Act	... September, 1903
Baths and Wash-houses Act, 1879	... In or about 1879
Infectious Disease (Notification) Act, 1889	... 27th November, 1889
Private Street Works Act, 1892	... 30th July, 1895
Libraries Act, 1892	... 27th September, 1892
Public Health Acts (Amendment) Act, 1890 :	
Parts II. and III.	... 26th April, 1892
Parts IV. and V.	... 9th November, 1900
Housing of the Working Classes Act, 1890 :	
Part III.	... 11th March, 1902
Infectious Diseases (Prevention) Act, 1890	... 14th October, 1902
Museum and Gymnasiums Act, 1891	... 11th March, 1902
Public Health Acts (Amendment) Act, 1907 :	
Part II., Sections 22, 30 and 33	By Order of the Local Government Board, dated 1st May, 1913, which Order repealed the following Sections of the Leigh Corporation Act, 1903 : Sections, 151, 167 (so far as relates to Sec. 34 of the Act of 1907), 210, 211 and 212.
Part III., Sections 34, 36, 37, 49 and 51	
Part IV., Sections 55, 56, 63, 64 and 65	
Part V. (whole)	
Part X. (whole)	

BYE-LAWS AND REGULATIONS IN FORCE WITHIN THE DISTRICT.

	Date when made by Council.	Approved by Government Department.
Prohibition of Book-making; Betting or Wagering in Public Places	... 16th Oct. 1900 ...	—
Compulsory Lighting of Vehicles	... 13th Mar. 1900 ...	3rd May 1900
Prevention of Danger from Telegraph Wires, &c.	... 12th Mar. 1901 ...	7th Oct. 1901
Markets	... 30th Aug. 1901 ...	15th Oct. 1901
Omnibuses	... 10th Sept. 1901 ...	26th Oct. 1901
Management, Use and Regulation of the Public Baths	... 10th Sept. 1901 ...	29th Oct. 1901
Drainage of Existing Buildings	... 8th April 1902 ...	31st May 1902
New Streets and Buildings	... 10th June 1902 ...	13th Aug. 1902
Slaughter-houses	... 14th Oct. 1902 ...	29th Nov. 1902
Offensive Trades	... 14th Oct. 1902 ...	29th Nov. 1902
Common Lodging-houses	... 14th Oct. 1902 ...	29th Nov. 1902
Nuisances	... 9th Nov. 1903 ...	2nd Jan. 1904
Tents, Vans, Sheds and similar Structures used for Human Habitation in the Borough of Leigh	... 13th Oct. 1908 ...	23rd Dec. 1908
Provision of Means of Escape in case of Fire in certain Factories and Workshops in the Borough of Leigh	... 8th June 1909 ...	2nd July 1909
For the Good Rule and Government of the Borough of Leigh and for the Prevention of Nuisances	... 11th May 1909 ...	—
Rear Lights on Vehicles	... 8th Oct. 1912 ...	28th Nov. 1912
For Regulating the Employment of Children and Street Trading by Young Persons	... 10th Aug. 1920 ...	22nd Jan. 1921
Regulations with respect to Dairies, Cowsheds and Milkshops	... 12th Mar. 1901 ...	—
Regulations as to Internal Water Fittings, Service Pipes, &c.	... March 1907 ...	—

## 7.—SANITARY ADMINISTRATION.

(a) **Water Supply.**—Purchased in bulk from the Liverpool Corporation. It is frequently chemically examined and found satisfactory. The lead solvency action is effectively checked by systematic treatment. Service reservoir equals one day's supply. Average daily consumption per head, 19·33 gallons.

(b) **Drainage and Sewerage.**—The whole of the Urban portion of the district is sewered. There is no separate system for surface water. The sewage is treated by the Leigh and Atherton Joint Sewerage Board, situated in the Borough, by means of bacteria filter beds. The effluent is satisfactory.

### (c) Closet Accommodation.

Number of Houses	...	...	...	9401
Fresh Water Closets	...	...	...	7897
Waste Water Closets	...	...	...	853
Privies	...	...	...	403
Pails	...	...	...	5

Sixteen conversions of privies to fresh water closets were carried out during the year.

(d) **Scavenging.**—Street scavenging is in the hands of the Borough Surveyor. House refuse removal is carried out by the Health Department.

#### (1) Ashpits and Bins in the District :—

Dry Ashpits	...	...	...	...	3879
Wet Ashpits	...	...	...	...	200
Bins	...	...	...	...	1239

#### (2) Number of Ashpits, Bins and Pails emptied :—

Ashpits emptied	...	...	...	59,337
Loads removed	...	...	...	12,341
Weight of Refuse	...	...	...	18,893 tons
Total cost of removal	...	...	...	£6,567
Cost per ton	...	...	...	6s. 11d.
Dealt with at Destructor	...	...	...	6,571 tons
Delivered to Tips	...	...	...	12,322 tons

## (e) Canal Boats Acts.

Inspected ...	...	...	...	...	19
Registered and in use	...	...	...	...	139
New Boats registered	...	...	...	...	2
No infringements were reported	...	...	—	—	—

## (f) Slaughter-houses.

Registered ...	...	...	...	...	16
Licensed ...	...	...	...	...	5
Total ...	...	...	...	...	21

They are all private, mostly small, and scattered about the district. They are kept clean, well whitewashed, and the occupiers carry out the Bye-laws. Seventy-nine inspections were made during the year. No complaint was reported to the Authority.

(g) Infectious Diseases and Disinfection.—The following table shews the number of infectious diseases notified in the Borough during the year, with the number of cases removed to the Infectious Diseases Hospital for isolation and treatment :—

	No. of Cases notified.	No. of Deaths.	No. of Cases removed to Hospital.	No. of Deaths in Hospital.
Diphtheria .. . . . .	59	1	52	—
Erysipelas .. . . . .	17	—	3	—
Scarlet Fever .. . . . .	164	2	119	1
Enteric Fever..... . . .	2	1	2	1
Puerperal Fever.. . . .	4	2	1	1
Ophthalmia Neonatorum	31	—	—	—
Measles .. . . . .	10	—	—	—
Pneumonia .. . . . .	44	87	—	—
Malaria .. . . . .	3	—	—	—
Dysentery .. . . . .	—	—	—	—
Encephalitis Lethargica	3	3	2	1
Cerebro Spinal Fever...	1	1	1	1
Chicken Pox .. . . . .	16	—	—	—

Disinfection of premises and materials is carried out by the staff of the Health Department. All dwelling-houses are dealt with on death, removal or convalescence of infectious patients. Other premises are

frequently disinfected on request and where necessity is apparent. The Schools are also frequently disinfected—particularly during periods of epidemics or the known presence of an infectious child. Private Schools are treated on request. Formaline lamps are used for buildings and a steam disinfecter is available for clothes, bedding, etc. Two horse vans are supplied, one for collecting, the other for returning the materials. Three hundred and forty-three premises were disinfected during the year, on account of the following diseases :—

Scarlet Fever	...	...	...	168
Enteric Fever	...	...	...	2
Diphtheria	...	...	...	61
Phthisis	...	...	...	99
Cancer	...	...	...	3
Measles	...	...	...	1
Cerebro Spinal Fever	...	...	...	1
Filth	...	...	...	1
Erysipelas	...	...	...	1
Pneumonia	..	...	...	3
Encephalitis Lethargica	...	...	...	2
Puerperal Fever	...	...	...	1
Schools	{ Scarlet Measles Lice	...	...	2
		...	...	1
		...	...	1

(h) **The Cowsheds, Dairies and Milk Shops** are frequently inspected and suggestions for minor improvements carried out.

There are 55 Cowkeepers registered and 9 purveyors of milk not keeping cows. One hundred and thirty-seven inspections were made during the year. The premises and methods of handling the milk are fairly satisfactory. No case was reported to the Authority.

(i) **Sale of Food and Drugs Acts.**—The Lancashire County Council carry out the duties under these Acts. Samples for Analysis are taken by the County Police.

The local Police Superintendent reports that during 1921 the following samples were taken and submitted to the Public Analyst for examination :—

Milk	..	28	Ice Cream	...	2
Butter	...	19	Salmon-Shrimp (potted)	...	1
Margarine	...	17	Arrowroot	...	2
Lard	...	19	Blanc-Mange Powder	...	1
Cheese	...	14	Egg Substitute	..	1
Pepper	..	15	Bun Flour	...	1
Mustard	...	1	Soup Powder	...	1
Coffee	...	13	Caster Oil	...	1
Corn Flour	...	6	Extract of Vinegar	..	1
Baking Powder	...	3	Lemon Cheese	...	1
Gregory ,,	..	2			
			Total	...	149

There has been no prosecution.

(j) In addition the following unsound food was condemned and destroyed :—

Beef	...	...	...	1785 lbs.
Pork	...	...	...	1946 ,,
Fish	...	..	...	16475 ,,
Fruit	...	...	...	810 ,,
Rabbits	...	...	...	103 ,,

#### (k) Summary of Inspections.—

In connection with Infectious Diseases	(a) Primary	...	248
	(b) Revisits	...	362
Under Section 17 Housing and Town Planning Act, 1909	...	Nil	
Slaughter-houses	...	...	79
Piggeries	...	..	181
Dairies and Cowsheds	...	...	54
Milk Shops	...	...	83
Bakehouses	...	..	103
Common Lodging-houses	...	...	19
Houses let in lodgings	...	...	31
Vans and Tents	..	...	67
Offensive Traders	...	...	197
Factories	...	...	30
Workshops and Workplaces	...	...	157
Schools	...	...	92
Smoke Observations	...	...	63
Ice Cream Makers	...	...	30
Canal boats	...	...	19
Ashpits and Ashbins emptied	...	...	59337

## (l) Notices Served.

(a) Informal.	...	...	...	622
(b) Statutory	...	...	...	426

## (m) Nuisances.

Number dealt with	...	...	2607
,, reported to Health Committee			622
,, abated after notice	..		546
,, , without notice	...		1976

The nuisances arose in connection with the following conditions :—

Defective House Drains	...	...	...	...	709
,, Gullies	...	...	...	...	387
,, Sink Pipes	...	...	...	...	77
,, Water Closets	...	...	...	...	572
,, Privies	...	...	...	...	29
,, Spouting	...	...	...	...	220
,, Roofs	...	...	...	...	111
,, Pavements, Channelling and Yards	...	...	...	...	64
Dis-repair of Houses	...	...	...	..	194
Filthy Houses	...	...	...	...	21
Damp Houses	..	...	...	...	154
Insufficient Ventilation	...	...	..	...	15
Dis-repair of Ashpits	...	...	...	...	43

### 8.—PUBLIC HEALTH STAFF.

Office held.	Name.	Qualifications.	Other offices held.
Medical Officer of Health...J. Clay Beckitt...		M. R. C. S., L. R. C. P., School Medical D. P. H. ...	Officer
Chief Sanitary Inspector...Edwin Jackson...		A. R. S. I	Inspector under ...the Canal Boats Acts. Rat Officer
Sanitary Inspector...Wm. T. Frost ...		Cert. R. S. I. ...	
do. George Yates ...		do. ...	
Health Visitor ...Miss Belyea		...General Training C. M. B., R. S. I., Cer- tificate for Women Health Visitors and School Nurses ...	
do. Miss Jones		...General Training ...	
Clerk (half-time) Miss Pass		...	Half-time Clerk School Medical Service

### 9.—HOUSING.

No. of new houses erected during the year :—

(a) by private enterprise ... ... ... ...	5
(b) As part of Municipal Housing Scheme ... ...	61

No. of houses in course of erection under Council's Building Scheme... ... ... ... ...

162

#### UNFIT DWELLING-HOUSES.—

##### *Inspection—*

(1) Total number of Dwelling-houses inspected for housing defects (under Public Health or Housing Acts) ... ... ... ... ...	680
(2) Number of Dwelling-houses which were inspected under the Housing (Inspection of District) Regulations, 1910 ... ... ... ... ...	45
(3) Number of Dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation... ... ...	Nil
(4) Number of Dwelling-houses (exclusive of those referred to under the preceding sub-heading) found not to be in all respects reasonably fit for human habitation ... ... ... ...	19

#### REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective Dwelling-houses rendered fit in consequence of informal action by the Local Authority or their Officers ... ... ...

307

#### ACTION UNDER STATUTORY POWERS.

##### *A. Proceedings under Section 28 of the Housing, Town Planning, &c., Act, 1919.*

(1) Number of Dwelling-houses in respect of which notices were served requiring repairs	315
(2) Number of Dwelling-houses which were rendered fit—	
(a) by Owners ... ... ...	262
(b) by Local Authority in default of Owners ... ... ...	Nil

(3) Number of Dwelling-houses in respect of which Closing Orders became operative in pursuance of declarations by Owners of intention to close ... ... Nil

## *B. Proceedings under Public Health Acts.*

(1) Number of Dwelling-houses in respect of which notices were served requiring defects to be remedied	...	...	...	58
(2) Number of Dwelling-houses in which defects were remedied—				
(a) by Owners ..	...	...	...	57
(b) by Local Authority in default of Owners	...	...	...	Nil

C. *Proceedings under Sections 17 and 18 of the Housing Town Planning, &c., Act, 1909.*

(1) Number of representations made with a view to the making of Closing Orders ...	Nil
(2) Number of Dwelling-houses in respect of which Closing Orders were made ...	Nil
(3) Number of Dwelling-houses in respect of which Closing Orders were determined, the Dwelling-houses having been rendered fit .. ... ... ... ...	Nil
(4) Number of Dwelling-houses in respect of which Demolition Orders were made ...	Nil
(5) Number of Dwelling-houses demolished in pursuance of Demolition Orders ...	Nil

## Notable Sanitary Improvements during 1921—None.

## Chief Sanitary Requirements of District—Houses and Conversions.

I am, Gentlemen,

Yours obediently,

J. CLAY BECKITT,

## Medical Officer of Health.

